

# Report of Inspection/Test

Environmental Health & Safety

January 01, 2000

Property

test

James Field  
113 Draper Hall  
40 Campus Center Way  
University of Mass

Owner/Agent

Environmental Health & Safe

117 Draper Hall  
UMass at Amherst, MA 01003  
Tel. (413) 545-2682



Conducted by:  
Inspection Ref: 2537

Access

AHJ

Owner

Water Co

James M. Field  
Environmental Health & S.  
545-5122

Building Notes

Key:

Inspection Notes

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### Doors/Lab Safety Card

- [ ]Yes [ ]No [ ] N/A  
[ ]Yes [ ]No [ ] N/A  
[ ]Yes [ ]No [ ] N/A

Laboratory Safety Information Card is up to date.  
The Lab card indicates that biohazards are present in the lab. These are listed below.  
Other appropriate signs present (i.e., NFPA diamond, gases, flammables, oxidizers, etc.).

- [ ]Yes [ ]No [ ] N/A  
[ ]Yes [ ]No [ ] N/A

Door windows are not obstructed.  
Doorways are clear and not obstructed.

### Safety

- [ ]Yes [ ]No [ ] N/A  
[ ]Yes [ ]No [ ] N/A

The drench shower is not obstructed.  
The drench shower has been properly tested.  
Eyewash station(s) is available.  
All eyewash stations are accessible.  
Eyewash stations are "flushed" weekly for at least 3 minutes.  
Fire extinguisher(s) located near lab doors.  
Fire extinguisher(s) not discharged or tampered with.  
Fire extinguisher(s) have current inspection dates.  
First Aid kit is available.

### Signs and Postings

- [ ]Yes [ ]No [ ] N/A  
[ ]Yes [ ]No [ ] N/A  
[ ]Yes [ ]No [ ] N/A  
[ ]Yes [ ]No [ ] N/A

"CAUTION - EYE PROTECTION REQUIRED"  
Laboratory Safety Rules are posted.  
Emergency telephone numbers available.  
Emergency gas and electrical shutoffs are clearly labeled.

### General Housekeeping

- [ ]Yes [ ]No [ ] N/A  
[ ]Yes [ ]No [ ] N/A

The laboratory is clean, neat, and orderly.  
Aisles and corridors are free of obstruction and tripping hazards.  
The floor is in good condition.  
Food and beverages are not consumed and cosmetics not applied in the laboratory.  
Doors locked when the lab not in use?  
Chemicals are not discarded into waste baskets or sink drains.

### Radiation Lab Postings

- [ ]Yes [ ]No [ ] N/A  
[ ]Yes [ ]No [ ] N/A  
[ ]Yes [ ]No [ ] N/A  
[ ]Yes [ ]No [ ] N/A

105CMR 120.000 is present MPH RAD Right to Know  
MRCP 120.175-1 is present.  
CAUTION RAM sign is present.  
Controlled Area sign is present.

### Personal Protective Equipment (PPE)

- [ ]Yes [ ]No [ ] N/A  
[ ]Yes [ ]No [ ] N/A

All laboratory occupants wear the appropriate eye and/or face protection.  
The protective eyewear meets ANSI standard, Z87.1, as required.  
All laboratory occupants wear appropriate laboratory coats and aprons as needed.  
All laboratory occupants wear appropriate gloves as needed.  
Laboratory visitors are required to wear personal protective equipment as needed.

### General Safety Procedures

- [ ]Yes [ ]No [ ] N/A  
[ ]Yes [ ]No [ ] N/A

Shorts and open-toed shoes are prohibited without a laboratory coat and foot coverings.  
Loose clothing and long hair is confined to prevent contact with chemicals and equipment.

### Chemical Safety

- [ ]Yes [ ]No [ ] N/A

Acutely hazardous chemicals outdated.

Print Date: 11/18/2005

(All "NO" answers are to be fully explained.)  
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### Chemical Safety

- [ ]Yes [ ]No [ ] N/A All chemical containers are properly labeled.  
[ ]Yes [ ]No [ ] N/A All chemicals are stored compatibly.  
[ ]Yes [ ]No [ ] N/A Flammable liquid storage is kept to an absolute minimum.  
[ ]Yes [ ]No [ ] N/A Flammable liquids are stored in approved flammable storage cabinets or refrigerators.  
[ ]Yes [ ]No [ ] N/A Chemicals are not placed or stored on the floor.  
[ ]Yes [ ]No [ ] N/A All hazardous, toxic, and odiferous chemicals are used in approved fume hoods.  
[ ]Yes [ ]No [ ] N/A Acutely hazardous chemicals are used with appropriate safeguards.

### Biological Waste

- [ ]Yes [ ]No [ ] N/A Sharps are disposed of in sharps containers.  
[ ]Yes [ ]No [ ] N/A Cultures and stocks are chemically disinfected or autoclaved before disposal.  
[ ]Yes [ ]No [ ] N/A All biohazard identifiers are removed or covered before disposal.  
[ ]Yes [ ]No [ ] N/A Lab has necessary materials to properly label sharps containers, medical waste and animal carcasses for pick up.

### Chemical Waste

- [ ]Yes [ ]No [ ] N/A Chemical waste is located in a properly identified area.  
[ ]Yes [ ]No [ ] N/A The chemical waste label clearly identifies the chemical constituents and specific hazards.  
[ ]Yes [ ]No [ ] N/A Chemical waste containers are closed and in good condition.  
[ ]Yes [ ]No [ ] N/A Secondary containment is used properly.  
[ ]Yes [ ]No [ ] N/A Hazardous waste is checked weekly.  
[ ]Yes [ ]No [ ] N/A Waste requests have been submitted for full containers.

### Fume Hood and Exhaust Systems

- [ ]Yes [ ]No [ ] N/A Repair WO Date  
[ ]Yes [ ]No [ ] N/A Repair WO Done Date  
[ ]Yes [ ]No [ ] N/A Chemical fume hoods and/or bio-safety cabinets have been properly tested.  
[ ]Yes [ ]No [ ] N/A Chemical fume hoods are being used at proper sash heights.  
[ ]Yes [ ]No [ ] N/A Chemical fume hoods are not used for storage unless so designated.  
[ ]Yes [ ]No [ ] N/A Fume hood lights are working.  
[ ]Yes [ ]No [ ] N/A Fume hood or bio-safety cabinet tested within one year.  
[ ]Yes [ ]No [ ] N/A Fume hood is being used for research.

### Gas Cylinders

- [ ]Yes [ ]No [ ] N/A Gas cylinders are stored compatibly.  
[ ]Yes [ ]No [ ] N/A All gas cylinders are properly capped or have regulators.  
[ ]Yes [ ]No [ ] N/A All gas cylinders are properly secured to a stationary bench or wall.  
[ ]Yes [ ]No [ ] N/A All flammable gas cylinders are located away from doors.  
[ ]Yes [ ]No [ ] N/A All gas cylinders are located away from electric panels or outlets.  
[ ]Yes [ ]No [ ] N/A Extremely poisonous gases are used in approved gas cylinder cabinets.  
[ ]Yes [ ]No [ ] N/A Gas cylinders are transported on appropriate carts with straps or chains.

### Refrigerators

- [ ]Yes [ ]No [ ] N/A Flammable liquids are not stored in non-explosion proof refrigerators.  
[ ]Yes [ ]No [ ] N/A Food and beverages are not stored in laboratory refrigerators.  
[ ]Yes [ ]No [ ] N/A Refrigerators are clean and maintained.  
[ ]Yes [ ]No [ ] N/A Freezer are defrosted and clean.

### Electrical Safety

- [ ]Yes [ ]No [ ] N/A All electrical equipment is properly grounded.  
[ ]Yes [ ]No [ ] N/A All electrical cords are in good condition, without splice or defect.

(All "NO" answers are to be fully explained.)  
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## Electrical Safety

- |                              |                             |         |  |
|------------------------------|-----------------------------|---------|--|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | [ ] N/A | Electrical outlets are prohibited within chemical fume hoods.                          |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | [ ] N/A | The electric panel breakers and fuses are properly labeled.                            |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | [ ] N/A | Electrical cords do not pass through ceilings, doors, or walls.                        |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | [ ] N/A | Electrical cords are not draped across the laboratory floor.                           |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | [ ] N/A | Flammable liquids are not potentially near electric ignition sources.                  |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | [ ] N/A | Acids do not come into close contact with electric ignition sources.                   |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | [ ] N/A | Guards are provided for all moving parts of electrical equipment (i.e., vacuum pumps). |

## Training

- |                              |                             |   |   |
|------------------------------|-----------------------------|---|---|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | Laboratory personnel have undergone safety training and specific training in the procedures conducted in the lab. |   |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | [ ] N/A   |   |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | [ ] N/A   | The laboratory has the Laboratory Health and Safety Manual.<br>MSDS sheets are available. |